

Refine Search**Search Results -**

Terms	Documents
L1 same interrupt\$3	9

Database:

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Search: **Search History****DATE: Monday, August 07, 2006** [Printable Copy](#) [Create Case](#)**Set Name Query**

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result set

DB=PGPB; PLUR=YES; OP=OR

<u>L2</u>	L1 same interrupt\$3	9	<u>L2</u>
<u>L1</u>	("virtual machine" or VM) same multiplex\$3	93	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L4 same interrupt\$3	17

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Search:

<input type="text" value="L5"/>	<input type="button" value="Refine Search"/>	
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result set

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

<u>L5</u>	L4 same interrupt\$3	17	<u>L5</u>
<u>L4</u>	("virtual machine" or VM) same multiplex\$3	268	<u>L4</u>
<u>L3</u>	L1 same interrupt\$3	9	<u>L3</u>

DB=PGPB; PLUR=YES; OP=OR

<u>L2</u>	L1 same interrupt\$3	9	<u>L2</u>
<u>L1</u>	("virtual machine" or VM) same multiplex\$3	93	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L6 same interrupt\$3	2

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side by side

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result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L7</u>	L6 same interrupt\$3	2	<u>L7</u>
<u>L6</u>	("virtual machine" or VM) same multiplex\$3	42	<u>L6</u>

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

<u>L5</u>	L4 same interrupt\$3	17	<u>L5</u>
<u>L4</u>	("virtual machine" or VM) same multiplex\$3	268	<u>L4</u>
<u>L3</u>	L1 same interrupt\$3	9	<u>L3</u>

DB=PGPB; PLUR=YES; OP=OR

<u>L2</u>	L1 same interrupt\$3	9	<u>L2</u>
<u>L1</u>	("virtual machine" or VM) same multiplex\$3	93	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L8	18

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Hit Count	Set Name	result set
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side by side

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L10	l1 and L8	18	L10
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L9	l6 and L8	0	L9
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L8	710/260-269,200,40,48,49;712/224,244;718/1,100,103,108;711/6,151,203;700/1.ccls.	8574	L8
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DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L7	L6 same interrupt\$3	2	L7
----	----------------------	---	----

L6	("virtual machine" or VM) same multiplex\$3	42	L6
----	---	----	----

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L5	L4 same interrupt\$3	17	L5
----	----------------------	----	----

L4	("virtual machine" or VM) same multiplex\$3	268	L4
----	---	-----	----

L3	L1 same interrupt\$3	9	L3
----	----------------------	---	----

DB=PGPB; PLUR=YES; OP=OR

L2	L1 same interrupt\$3	9	L2
----	----------------------	---	----

L1	("virtual machine" or VM) same multiplex\$3	93	L1
----	---	----	----

END OF SEARCH HISTORY

EAST - [Untitled1:1]

File View Edit Tools Window Help



Drafts

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Active

L1: (161) ("virtual mac

L2: (6) 11 same interrupt

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

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DBs: USPA

Plugins

Default operator: OR

Highlight all hit items initially

EAST - [Untitled1:1]

File View Edit Tools Window Help

- X
-
X

Drafts

Pending

Active

L1: (161) ("virtual mac

L2: (6) ll same interrupt

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

Browse Clear

DBs USPAT

Default operator: OR

Plurals

Highlight all hit items initially

ll same interrupt\$3

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2	<input type="checkbox"/>	US 6507167	20030114	21	Power factor compensation device for	318/729	318/438;
		B2					363/37;
3	<input type="checkbox"/>	US 6452937	20020917	18	Card-based voice messaging system	370/442	370/259;
		B1					455/412.1;
4	<input type="checkbox"/>	US 6281658	20010828	21	Power factor compensation device for	318/729	318/801
		B1					
5	<input type="checkbox"/>	US 5117350	19920526	34	Memory address mechanism in a distribu	711/1	711/202
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IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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Ahmad, I.; Anderson, J.M.; Holler, A.M.; Kambo, R.; Makhija, V.;
Workload Characterization_2003_WWC-6_2003 IEEE International Workshop on
 27 Oct. 2003 Page(s):65 - 76
 Digital Object Identifier 10.1109/WWC.2003.1249058
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2. Service migration in distributed virtual machines for adaptive grid computing

Song Fu; Cheng-Zhong Xu;
Parallel Processing_2005_ICPP_2005_International Conference on
 14-17 June 2005 Page(s):358 - 365
 Digital Object Identifier 10.1109/ICPP.2005.71
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Song Fu; Cheng-Zhong Xu;
Parallel Processing_2004_ICPP_2004_International Conference on
 2004 Page(s):335 - 342 vol.1
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5. Computation of prime factor DFT and DHT/DCCT algorithms using cyclic and skew-cyclic bit-serial semisystolic IC convolvers

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6. Taming lambda's for applications: the OptIPuter system software

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7-9 July 2004 Page(s):3

Digital Object Identifier 10.1109/ICPADS.2004.1316073

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7. The TLB slice-a low-cost high-speed address translation mechanism

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[Computer Architecture, 1990. Proceedings. 17th Annual International Symposium on](#)

28-31 May 1990 Page(s):355 - 363

Digital Object Identifier 10.1109/ISCA.1990.134546

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Ahmad.I., Anderson.J.M., Holler.A.M., Kantio.R., Makilia.Y.
 VMware Inc., Palo Alto, CA, USA

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Number of Pages: vi+130

ISSN:

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Digital Object Identifier: 10.1109/WWC.2003.1249058

Posted online: 2003-12-03 13:53:14.0

Abstract

VMware ESX Server is a software platform that efficiently multiplexes the hardware resources of a server among virtual machines. This paper studies the performance of a key component of the ESX Server architecture: its storage subsystem. We characterize the performance of native systems and virtual machines using a series of disk microbenchmarks on several different storage systems. We show that the virtual machines perform well compared to native, and that the I/O behavior of virtual machines closely matches that of the native server. We then discuss how the microbenchmarks can be used to estimate virtual machine performance for disk-intensive applications by studying two workloads: a simple file server and a commercial mail server.

Index Terms**Inspect****Controlled Indexing**

benchmark testing digital storage file servers multiplexing performance evaluation storage management virtual machines

Non-controlled Indexing

I/O behavior VMware ESX server disk microbenchmarks disk performance analysis file server hardware resources mail server multiplexing native systems server architecture software platform storage subsystem storage systems virtual machines

Author Keywords

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References

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